

Fig. 2

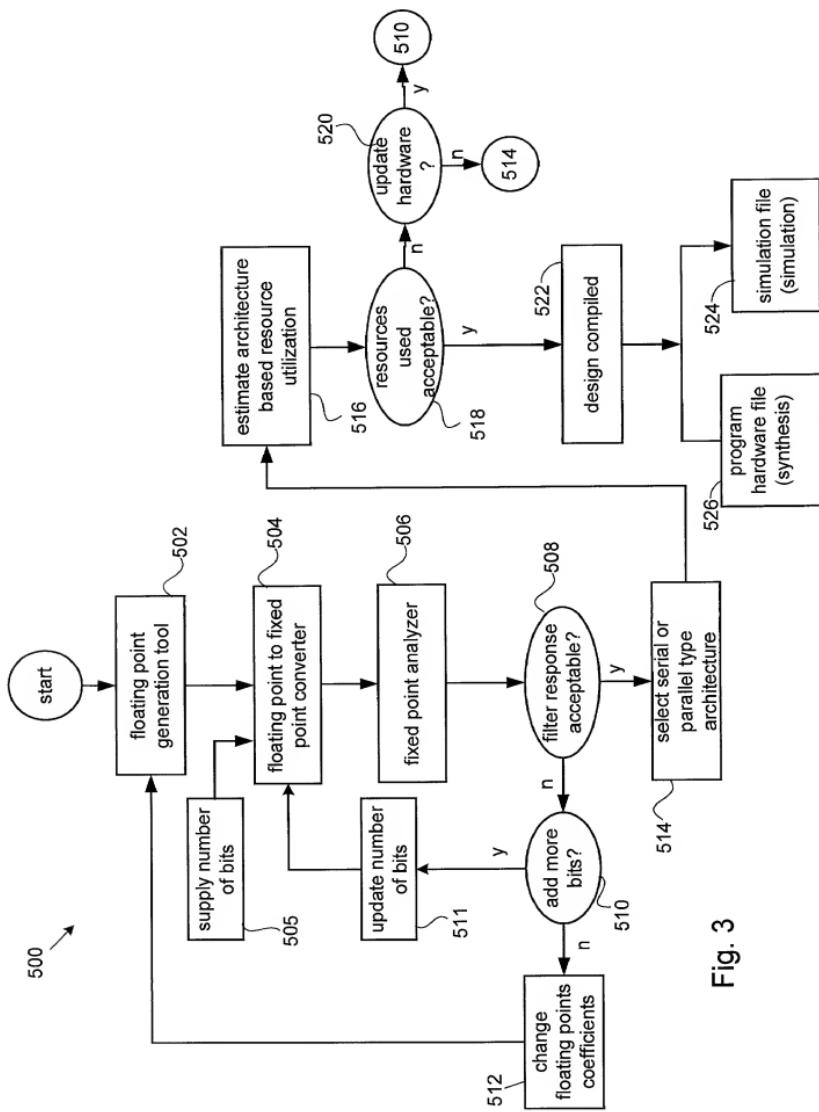


Fig. 3

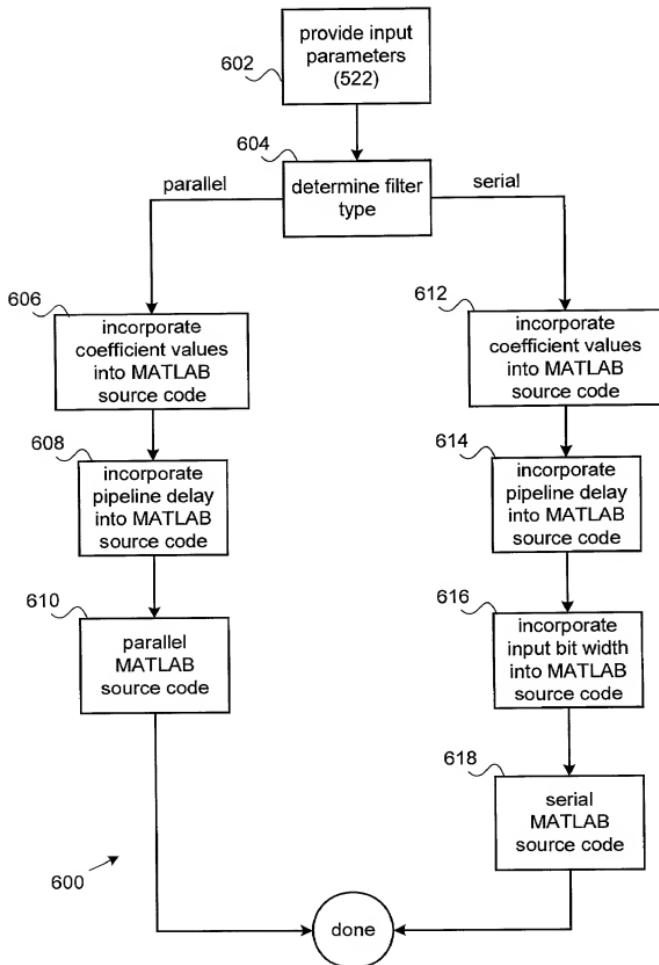
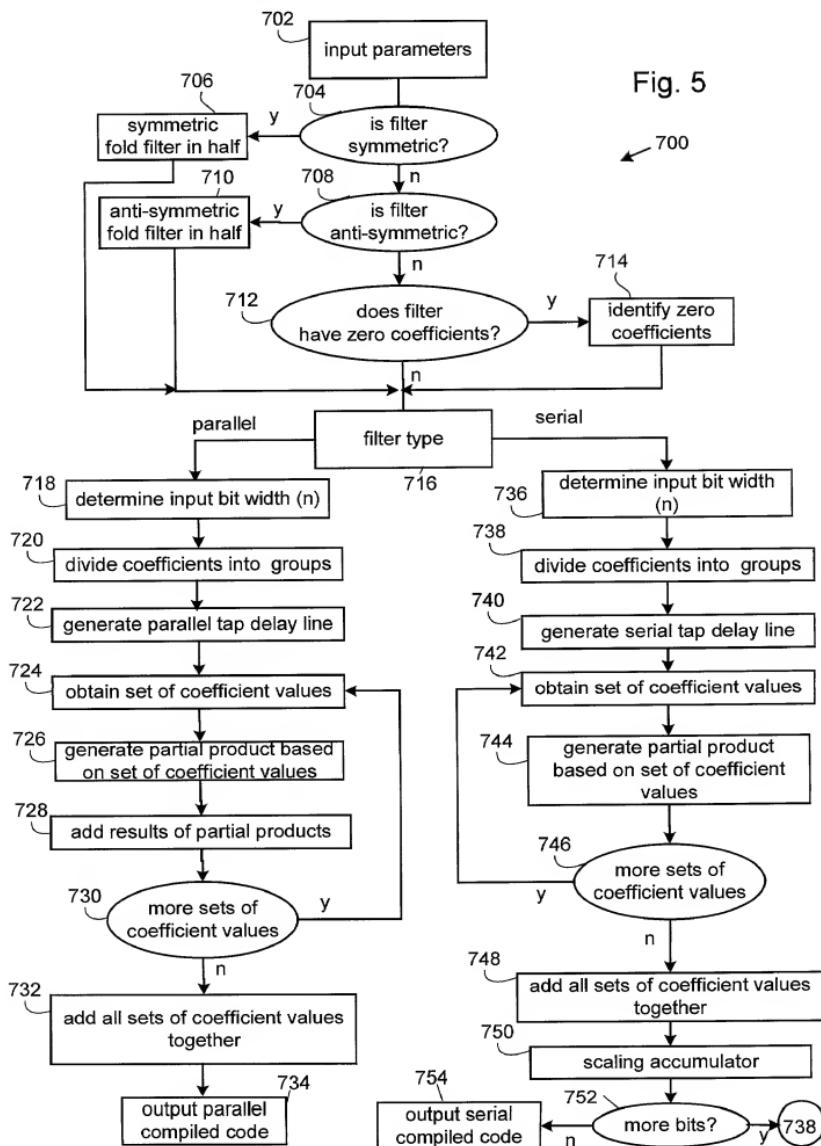


Fig. 4



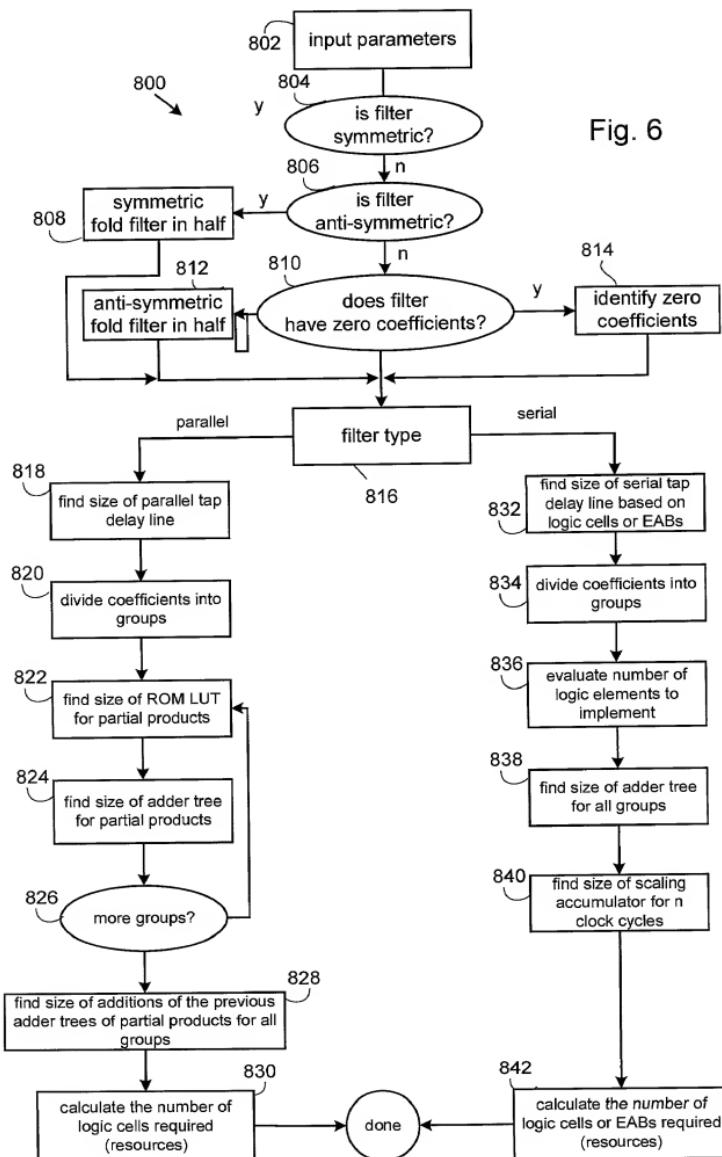
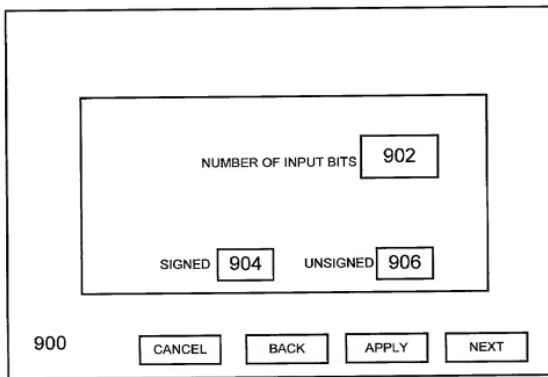


Fig. 6



INPUT DATA BUS PARAMETERS

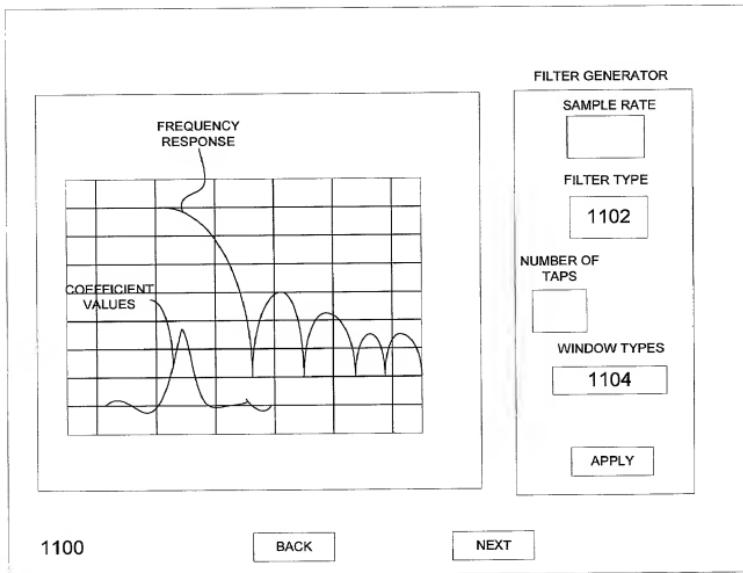
Fig. 7

1000

GENERATE COEFFICIENT VALUES	1006	READ COEFFICIENTS FROM FILE	1004	ANALYZE FIXED POINT COEFFICIENTS
FLOATING POINT TO FIXED POINT CONVERSION				
<input type="radio"/> NO CONVERSION				
<input type="radio"/> SCALE TO USE UP TO <input type="text" value="1008"/> BITS OF PRECISION				
<input type="checkbox"/> USE ONLY POWER OF TWO SCALING FACTORS				
<input type="radio"/> SCALE BY FACTOR OF <input type="text"/>				
SYMMETRY TYPE				
<input type="text" value="1010"/>				
COEFFICIENT VALUES				
<input type="text" value="1002"/>				
1000				
CANCEL		BACK		NEXT

SPECIFY COEFFICIENTS

Fig. 8



SCALED AND ROUNDED COEFFICIENTS

Fig. 9

1200

GENERATE COEFFICIENT VALUES	READ COEFFICIENTS FROM FILE	ANALYZE FIXED POINT COEFFICIENTS
FLOATING POINT TO FIXED POINT CONVERSION		
<input type="radio"/> NO CONVERSION		
<input type="radio"/> SCALE TO USE UP TO <input type="text" value="8"/> BITS OF PRECISION		
<input type="checkbox"/> USE ONLY POWER OF TWO SCALING FACTORS		
<input type="radio"/> SCALE BY FACTOR OF <input type="text" value="254.8"/>		
SYMMETRY TYPE		
<input type="checkbox"/> POSITIVE SYMMETRY		
COEFFICIENT VALUES		
<input type="text" value="XXX.XX"/> <input type="text" value="XXX.XX"/> <input type="text" value="XXX.XX"/> <input type="text" value="XXX.XX"/>		
<input type="button" value="CANCEL"/>	<input type="button" value="BACK"/>	<input type="button" value="APPLY"/>
<input type="button" value="NEXT"/>		

SPECIFY COEFFICIENTS

Fig. 10

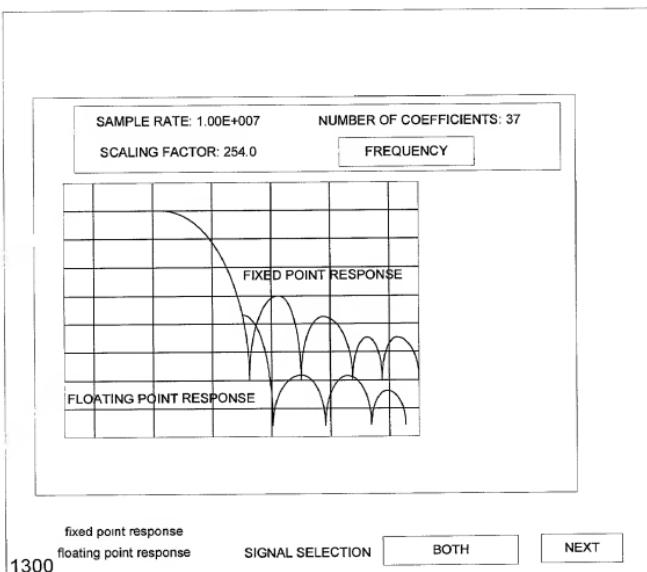


Fig. 11

OUTPUT RESOLUTION (YOUT)

FULL PRECISION       LIMITED PRECISION

MSB

1 BITS REMOVED FROM MSB  
 SATURATE       TRUNCATE

LSB

1 BITS REMOVED FROM LSB  
 ROUND       TRUNCATE

1400

CANCEL   BACK   APPLY   NEXT

SPECIFY FILTER PRECISION

Fig. 12

1500

DECIMATION

DECIMATION FACTOR

INTERPOLATION

INTERPOLATION FACTOR

CANCEL   BACK   APPLY   NEXT

SPECIFY DECIMATION OR INTERPOLATION

Fig. 13

ARCHITECTURE

NUMBER OF INPUT CHANNELS

PARALLEL IMPLEMENTATION

SERIAL IMPLEMENTATION

PIPELINING OPTIONS

SPEED OPTIMIZED

AREA OPTIMIZED

ESTIMATED RESOURCES OPTIONS

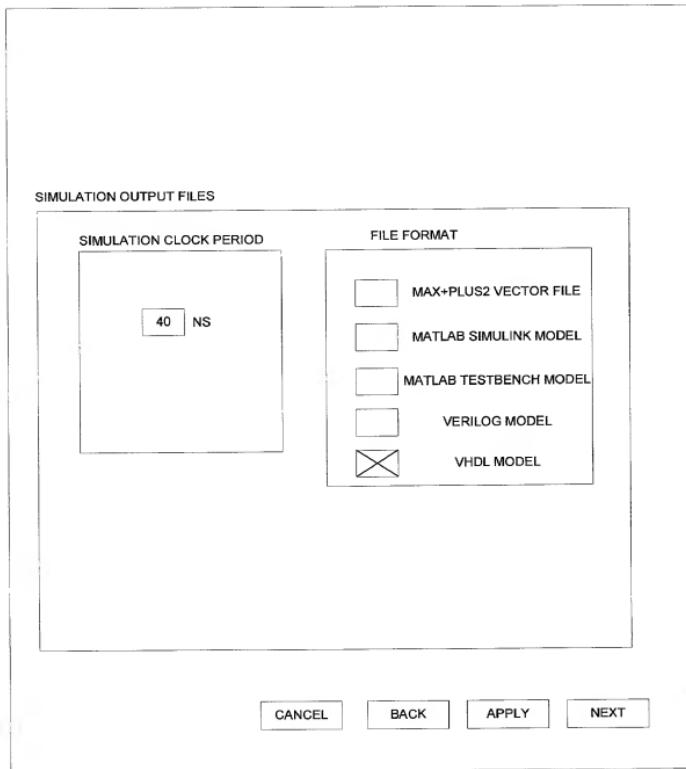
SIZE ESTIMATE	180 LOGIC CELLS	1602
	3 DUAL PORT ESB/EAB	
COMPUTATION TIME	4 CLOCK CYCLES PER INPUT	
	4 CLOCK CYCLES PER OUTPUT	

1600

CANCEL BACK APPLY NEXT

SPECIFY FILTER ARCHITECTURE

Fig. 14



CHOOSE OUTPUT FILE TYPES

Fig. 15

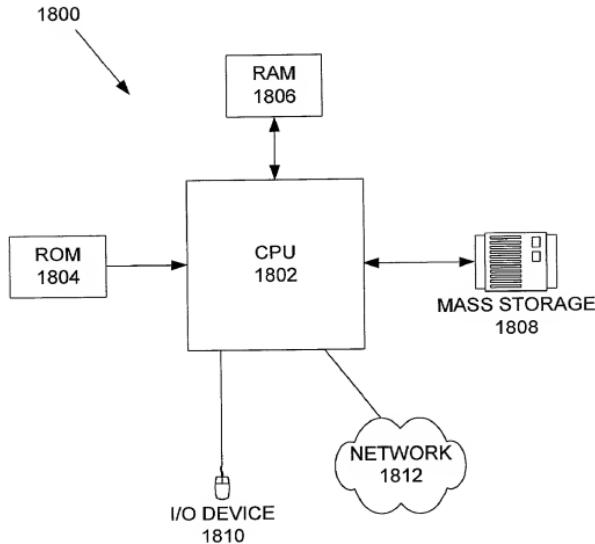


Fig. 16